

AARP

MOLDBOARD PLOW

INNOVATION AND EFFICIENCY IN SOIL PREPARATION



MARCHESAN



**THE BRAND
OF THE LAND**

AARP PLOW: Modern and extra-resistant structure designed to maximize productivity and efficiency in the field.

CONDITIONS FOR MOLDBOARD PLOW USE:

- Soil Type: Ideally used in non-rocky soils with good drainage. Very wet, rocky, or recently cleared soils may pose challenges for moldboard plowing.
- Time of Year: Plowing is generally done before planting, often in spring or fall, depending on the climate and crop needs.
- Crop Requirements: Some types of crops benefit more from plowing than others, especially those that require a deeper seedbed or looser soils.

The AARP Plow from TATU Marchesan meets soil preparation needs worldwide, improving the effectiveness and sustainability of agricultural practices.

ADVANCED STRUCTURE AND EFFICIENCY

- The robust and modern structure of the AARP Plow ensures superior performance in different types of soil, increasing the equipment's lifespan.
- Optimized weight distribution provides greater stability and control during operation, improving safety and work efficiency.
- The ability to operate with the tractor out of the furrow allows for greater flexibility in various terrains, from flat to gently sloping, thereby increasing the equipment's versatility in different agricultural conditions.

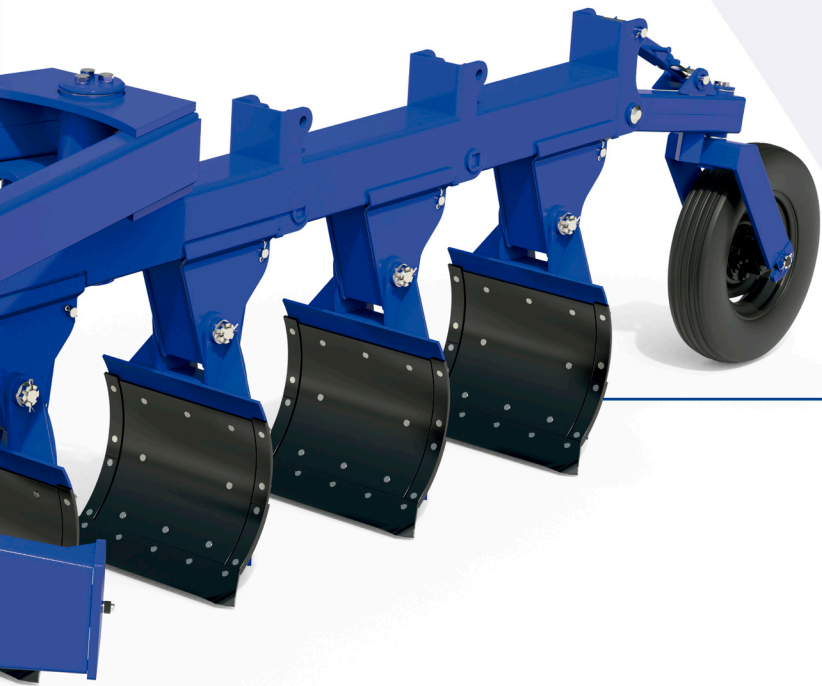
DEPTH WHEELS FOR PENETRATION UNIFORMITY

- Adjustable depth wheels ensure the plow maintains uniform penetration across the entire field, crucial for consistent soil preparation and the effectiveness of subsequent planting.
- The use of high-quality tires ensures smooth and efficient operation, reducing soil compaction and improving overall terrain conditions for cultivation.



BENEFITS OF MOLDBOARD PLOWING:

1. Soil Structure Improvement: Plowing with a moldboard plow helps break compacted soil layers, increasing its porosity and aeration. This is crucial for the healthy development of roots and the efficient absorption of water and nutrients by plants.



- 2. Incorporation of Crop Residues and Fertilizers:** This type of plow is effective in incorporating crop residues and fertilizers into the soil, enhancing soil fertility and structure, contributing to improve the environment for crop growth.
- 3. Weed and Pest Control:** Plowing helps control weeds and pests by burying or displacing them, thereby reducing the need for herbicides and pesticides.
- 4. Seedbed Preparation:** The moldboard plow prepares a uniform and loose seedbed, essential for the proper germination of seeds and the initial growth of crops.
- 5. Soil Erosion Prevention:** By altering the surface structure of the soil, plowing can help prevent erosion, especially on sloping terrain, by improving water infiltration and reducing surface runoff.
- 6. Crop Rotation and Soil Management:** Plowing is particularly beneficial in crop rotation systems, as it helps prepare the soil for different types of crops and maintains long-term soil health and sustainability.

INNOVATIVE MOLDBOARD DESIGN

- Symmetrical double-cut moldboards offer more efficient soil penetration, facilitating clod breaking and the incorporation of agricultural residues, vital for preparing healthy and plant-ready soil.
- The cylindrical shape of the moldboards enhances soil fragmentation, resulting in a more uniform seedbed conducive to crop growth.
- The special high-density polyethylene coating significantly reduces friction, decreasing wear and extending the moldboards' lifespan. It also requires less tractor power, translating to fuel savings and a lower environmental impact.

AUTOMATIC REVERSAL AND RESET SYSTEM

- The horizontal reversal system with a dual-action hydraulic cylinder makes the transition between plow directions faster and optimizing work time and increasing productivity.
- The automatic reset of the moldboards with a flat spring of elastic deformation ensures that the moldboards return immediately to the workin position after any obstruction, minimizing interruptions and maintaining a steady work pace.

TECHNICAL SPECIFICATIONS

Model	N° of Moldboards	Working Width		Spacing	Clearance	Weight		Tractor Required Power* (hp)
		ft. in	mm			lbs	kg	
AARP	5	7' 10"	2,400	31.7/8" (810mm)	37.3/8" (950mm)	4,409	2,335	220 - 240
	6	9' 6"	2,880			4,850	2,530	240 - 260
	7	11'	3,360			5,269	2,820	260 - 280
	8	13'	3,840			6,635	3,010	300 - 340
	9	14' 2"	4,320			7,312	3,318	340 - 380
	10	15' 9"	4,800			7,778	3,329	380 - 420

> Depth of Cut: up to 15.3/4" (400mm). > Please note that the suggested ranges for tractor draw bar horse power vary according to soil conditions.



MARCHESAN IMPLEMENTOS E MÁQUINAS AGRÍCOLAS TATU S.A.

CNPJ.: 52.311.289/0001-63 | Inscr. Est.: 441.000.151.114

1979, Marchesan Ave | ZIP CODE 15994-900

Phone: +55 16 3382.8282 | Matão, SP, Brazil

www.tatu.ag



YouTube



A MARCHESAN S.A. reserves the right to improve or change the characteristics of its products, without the obligation to do so with those already marketed and without prior notice. Photos and drawings are for illustrative purposes only. Rev. 07 - 10/2024



PROTECT THE ENVIRONMENT. WHEN DISPOSING THIS BROCHURE, DO NOT THROW IT ON PUBLIC ROADS.